



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KROMO 40 H

Classification:	Chromite Brick (Burned)
Main Raw Material Component:	Chromite – magnesite
Type Of Bond:	Ceramic
Main Applications:	Chemical & Nonferrous Industries (Lead & Zinc), Excellent resistance to high temperature, abrasion, corrosion and chemical attacks.

Chemical Composition (Calcined base)					
MgO %	Cr ₂ O ₃ %	Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %	CaO %
46.9	27.5	9.5	3.1	10.1	0.8

Physical Properties		
Bulk density	g/cm ³	2.91-3.10
Cold crushing strength	kg/cm ²	250 – 350
Apparent porosity	%	19 – 22
Modulus of rupture	kg/cm ²	35-60

Thermomechanical Properties		
Refractoriness under Load T ₀₅	°C	Min 1550
Reversible Linear thermal expansion (1100 °C)	%	≈ 1.2

The above data are typical of the properties of commercial Standard brick .

The data are subject to reasonable variation and therefore should not be used for Specification purposes. They may not be regarded as committed specifications and therefore not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

Revision:1

Date of issue: 1397/08/15

Code: IRF-ST-Q-860-19

Revision:00